

Date: Sun, 14 Nov 93 23:41:37 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1348
To: Info-Hams

Info-Hams Digest Sun, 14 Nov 93 Volume 93 : Issue 1348

Today's Topics:

 CATV Jerrold/450/550 mods wanted
 Daily Solar Geophysical Data Broadcast for 14 November
 Daily Summary of Solar Geophysical Activity for 12 November
 FCC question pools are here
 HDN Releases
 Kenwood and Comos II Keyer
 License Datapoints
 RACES Bulletin #300

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 13 Nov 93 20:42:58 PST
From: library.ucla.edu!agate!spool.mu.edu!umn.edu!csus.edu!netcom.com!netcomsv!
micromed!brett@network.ucsd.edu
Subject: CATV Jerrold/450/550 mods wanted
To: info-hams@ucsd.edu

chare@nmsu.edu (Curtis Dale Hare) writes:

>
> Subject: I need Jerrold 450-550 mods
> Newsgroups: alt.dcom.catv
> Organization: New Mexico State University, Las Cruces, NM
> Summary:
> Keywords:
>

>
> I need service manuals or modifications to enable descrambling to be on
> all the time for the following Jerrold Models:
>
> Jerrold 450 Model DRZD-2A
> Jerrold Starcom VI 550 DP5-222
>
> These are combination converter/descrambler units.....
> Please help...Thanks..
>
>

There is a newsgroup dedicated to cable TV and descramblers. Its been so long I cant remember what its called, alt.cable.tv ?? Anyway, you may have more luck there.

Brett N70LQ

--

brett@micromed.com (brett miller)

Date: 15 Nov 93 05:05:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 14 November
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 318, 11/14/93
10.7 FLUX=094 90-AVG=093 SSN=039 BKI=1223 3322 BAI=009
BGND-XRAY=B1.4 FLU1=1.4E+06 FLU10=1.5E+04 PKI=1223 3423 PAI=011
BOU-DEV=008,010,016,023,020,027,010,016 DEV-AVG=016 NT SWF=00:000
XRAY-MAX= C2.5 @ 0100UT XRAY-MIN= A9.1 @ 1743UT XRAY-AVG= B2.9
NEUTN-MAX= +003% @ 2300UT NEUTN-MIN= -002% @ 1500UT NEUTN-AVG= +0.2%
PCA-MAX= +0.0DB @ 2350UT PCA-MIN= -0.5DB @ 1405UT PCA-AVG= -0.0DB
BOUTF-MAX=55362NT @ 2333UT BOUTF-MIN=55335NT @ 1851UT BOUTF-AVG=55352NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+067,+000,+000
GOES6-MAX=P:+130NT@ 1848UT GOES6-MIN=N:-062NT@ 0942UT G6-AVG=+086,+016,-032
FLUXFCST=STD:095,095,095;SESC:095,095,095 BAI/PAI-FCST=010,010,010/010,010,010
KFCST=1234 5321 1245 4322 27DAY-AP=007,006 27DAY-KP=2322 2311 2223 2121
WARNINGS=*SWF
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 13 NOV 93 was 38.5.
The Full Kp Indices for 13 NOV 93 are: 2o 1+ 3- 2- 3o 2+ 2+ 1-

Solar activity was moderate. A new region has appeared at east limb, 7618 (N08E73). It was responsible for an M2.0/SF flare, with associated Type II at 12/0225Z. The region has

also produced several C-class flares during the period.

STD: Two Type II sweeps were observed from Region 7618. The first, at 12/0225Z had an estimated shock velocity of 1600 km/sec. The second, at 12/2108Z was estimated at 600 km/sec. Flaring within this region has been very frequent and fairly impulsive. As one would expect, the region is bright in x-rays. Limb proximity is preventing detailed analysis of the region. A special insert showing the x-ray emissions observed by the Japanese Yohkoh x-ray satellite has been appended to this report.

Solar activity forecast: solar activity is expected to be low to moderate due to Region 7618.

The geomagnetic field has been at quiet levels for the past 24 hours.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled throughout the period.

Event probabilities 13 nov-15 nov

Class M	50/50/50
Class X	05/05/05
Proton	05/05/05
PCAF	Green

Geomagnetic activity probabilities 13 nov-15 nov

A. Middle Latitudes

Active	10/10/10
Minor Storm	05/05/05
Major-Severe Storm	05/01/01

B. High Latitudes

Active	20/20/20
Minor Storm	10/10/10
Major-Severe Storm	05/05/05

HF propagation conditions were near-normal over all regions. Hiraio Japan reported a strong short wave fadeout (SWF) in conjunction with the M2.0/SF flare between approximately 02:22 and 02:46 UTC. Other areas did not experience effects as pronounced as Hiraio. Conditions should continue near-normal. There is a high probability for periodic short wave fadeouts (SWFs) over the next several days at least. Region 7618 appears to be a fairly volatile group at the

moment. Most of the SWFs should be fairly brief in nature.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 12/2400Z NOVEMBER

NMBR LOCATION LO AREA Z LL NN MAG TYPE
7618 N08E73 339 0350 DAO 07 005 BETA
7616 N06W18 070 PLAGE
7617 S15W30 082 PLAGE
REGIONS DUE TO RETURN 13 NOVEMBER TO 15 NOVEMBER
NMBR LAT LO
NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 12 NOVEMBER, 1993

BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
0214 0225 0235 7618 N08E82 M2.0 SF 46 II
0726 0726 0727 180
1441 1614 1651 C3.5 190
1754 1805 1809 7618 N11E78 C3.5 SF 270
1942 1945 1948 C1.3 420
2029 2029 2029 120
2035 2038 2042 7618 N11E78 C1.9 SF 270 33
2108 2113 II
2127 2132 2135 C1.2 1600
2154 2200 2204 7618 N08E78 C2.2 SF 800 58

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 12 NOVEMBER, 1993

BEGIN MAX END LOCATION TYPE SIZE DUR II IV
12/ 0225 0235 N08E82 RSP M2.0 21 2
12/ 1441 1614 1651 LDE C3.5 130
12/ 2108 2113 RSP 2

INFERRED CORONAL HOLES. LOCATIONS VALID AT 12/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
11 Nov:	0044	0048	0050	B2.4						
	0230	0234	0237	B1.8						
	0246	0255	0259	B1.8						
	0533	0536	0540	B3.3						
	0604	0609	0612	B4.6						
	0641	0646	0650	B3.4						
	0757	0802	0812	B5.6						
	1100	1126	1132	C9.7						
	1335	1341	1346	B5.0						
	1441	1456	1505	B8.4						
	1700	1705	1710	B5.3						
	1723	1734	1744	C1.7						
	1913	1918	1935	B3.1						
	2115	2122	2133	B4.6						
	2243	2246	2249	B2.9						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Uncorrelated:	2	0	0	0	0	0	0	0	015	(100.0)

Total Events: 015 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
11 Nov:	0246	0255	0259	B1.8				III
	1441	1456	1505	B8.4				III

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

EPL = Eruptive Prominence on the Limb.

=====

12 November 1993, 03:00 UTC

North

[illegible]

.
.....

South

KEY: East and west limbs are to the left and right respectively. Emission strength, from minimum to maximum are coded in the following way:

[space] . , : ; - + | ! 1 2 3 4 * # @

Units used are arbitrary, for illustrative purposes. Get "showasc.zip" from "pub/solar/Software" at the anonymous FTP site: xi.uleth.ca (IP # 142.66.3.29) to view these images on VGA screens.

** End of Daily Report **

Date: 15 Nov 93 02:19:42 GMT
From: ogicse!uwm.edu!spool.mu.edu!umn.edu!csus.edu!netcom.com!
msattler@network.ucsd.edu
Subject: FCC question pools are here
To: info-hams@ucsd.edu

Several people have asked about exam pools of late.

The complete exam pool questions (less the pictures) can be ftp'd from world.std.com. For example, the General exam questions are /pub/hamradio/arrl/Server-files/pool-general-1.Z and pool-general-2.Z. The UNIX "uncompress" command will convert the .Z files into readable text.

For Macintosh users there are HyperCard stacks (complete with the pictures) for all the FCC tests. Check in the directory /pub/hamradio/mac/theory-and-morse. For example, the General exam can be found as General_Ham_Test_.hqx.

Anyone got any pointers for DOS/Windows?

--

Michael S. Sattler msattler@netcom.com +1 (415) 621-2903
Digital Jungle Software Encrypt now; ask me how. (finger for PGP key)

All that is required for evil to triumph is
for {wo}men of good will to do nothing.

Date: Sun, 14 Nov 1993 09:06:06
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!eff!news.kei.com!news.oc.com!
utacfd.uta.edu!rwsys!ocitor!FredGate@network.ucsd.edu
Subject: HDN Releases
To: info-hams@ucsd.edu

The following files were processed Sunday 11-14-93:

HAMNEWS [HAM: Bulletins and Newsletters]

ANART784.LZH (4959 bytes) ANART Bulletin 784 11/07/93
ARLB110.LZH (738 bytes) ARRL Bulletin 11/09/93
ARLD059.LZH (464 bytes) ARRL DX Bulletin 11/08/93
ARLD060.LZH (339 bytes) ARRL DX Bulletin 11/09/93
ARLP045.LZH (1205 bytes) ARRL Propagation Bulletin 11/12/93
ARLX022.LZH (939 bytes) ARRL Special Bulletin 11/05/93
NEWS1105.LZH (6704 bytes) NewsLine 11/05/93
OPDX134.LZH (3003 bytes) Ohio-Pa Packet Cluster DX Bulletin
11/08/93
RACES299.LZH (1141 bytes) RACES Bulletin # 299 11/08/93
RTDX1105.LZH (1604 bytes) RTTY DX Bulletin 11/05/93
RTDX1112.LZH (2102 bytes) RTTY DX Bulletin 11/12/93

23198 bytes in 11 file(s)

HAMSAT [HAM: Satellite tracking and finding programs]

AMSAT310.LZH (5696 bytes) AMSAT Bulletin # 310 11/06/93
ARLK046.LZH (2027 bytes) ARRL Keps 11/09/93
ARLS063.LZH (1070 bytes) ARRL Satellite Bulletin 11/05/93
ARLS064.LZH (739 bytes) ARRL Satellite Bulletin 11/08/93
OBS309.LZH (1882 bytes) Amsat Orbital Elements # 309
11/05/93
SPC1108.LZH (2659 bytes) SPACE Bulletin 11/08/93

14073 bytes in 6 file(s)

Total of 37271 bytes in 17 file(s)

Files are available via Anonymous-FTP from ftp.fidonet.org
IP NET address 140.98.2.1

Directories are:

pub/fidonet/ham/hamnews	(Bulletins)
/hamant	(Antennas)
/hamsat	(Sat. prg/Amsat Bulletins)
/hampack	(Packet)
/hamelec	(Formulas)
/hamtrain	(Training Material)
/hamlog	(Logging Programs)
/hamcomm	(APLink/JvFax/Rtty/etc)
/hammods	(Equip modification)
/hamswl	(SWBC Skeds/Frequencies)
/hamscan	(Scanner Frequencies)
/hamutil	(Operating aids/utils)
/hamsrc	(Source code to programs)
/hamdemo	(Demos of new ham software)
/hamnos	(TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter: Guest;guest <return>

lee - wa5eha
Ham Distribution Net

* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

Date: Sun, 14 Nov 1993 06:11:44 GMT
From: library.ucla.edu!agate!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!ncar!
csn!hellgate.utah.edu!math.utah.edu!cosmic.physics.utah.edu!levin@network.ucsd.edu
Subject: Kenwood and Comos II Keyer
To: info-hams@ucsd.edu

Hi,

I have become the proud owner of a Kenwood TS-820 HF transiever.
I also have a CMOS Super Keyer II. I need to know how to build
the circuit that will interface the keyer to the radio. In
the ARRL Handbook they refer to a QST article from Feb. 1990
"Cheap and Easy Control Signal Level Converters". I am hoping
that someone here could either send me the article or describe
the procedure needed to make they keyer and radio work together.

If you can help I would appreciate it.

Please email me at levin@cosmic.physics.utah.edu

Thanks in advance.

Chris (KB7YOU)

Date: Sun, 14 Nov 1993 05:58:16 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!paladin.american.edu!darwin.sura.net!
news-feed-1.peachnet.edu!umn.edu!csus.edu!netcom.com!msattler@network.ucsd.edu
Subject: License Datapoints
To: info-hams@ucsd.edu

David Stark (David.Stark@p2.f333.n2613.z1.fidonet.org) wrote:

: > From: romanenkod@agcs.com (Dan Romanenko)

: > I took (and passed) my no-code Tech. on Oct. 16th. Still waiting...

: According to the November issue of QST, the processing lag for new amateur
: licenses is about 70 days now.

I took (and passed) my no-code tech exam today; the VEs told us that
the waiting period had drastically dropped to 5 weeks, believe it
or not.

--

Michael S. Sattler msattler@netcom.com +1 (415) 621-2903
Digital Jungle Software Encrypt now; ask me how. (finger for PGP key)

 All that is required for evil to triumph is
 for {wo}men of good will to do nothing.

Date: 15 Nov 93 07:12:57 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #300
To: info-hams@ucsd.edu

Bid : \$RACESBUL.300

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)

ALL AMATEURS U.S. (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6SIG @ WA6NWE.CA)
2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
Landline BBS open to all: (916) 262-1657
RACESBUL.300 DATE: Nov 15, 1995
SUBJECT: OPS - STRIKE TEAMS - Part 2/2

Our Strike Team is comprised of RACES personnel who have taken extra steps to maximize their abilities and skills. What extra steps? Fireground safety, public safety radio operation and agency orientation are a few of the topics covered in training. Personnel must have served in RACES for at least a year, and be licensed as Technician or higher for a similar period. They must show a willingness and ability to serve as a RACES person before serving on the Strike Team. Membership in the Strike Team is by no means automatic. It requires a special level of participation, and members must have shown that they can meet this demand before they are accepted.

Strike Team members are normally assigned to other RACES functions, including operation of stations, EOCs and the Communications Center. If you belong to a Strike Team you will still be expected to attend the drills, training and activities that are part of your normal RACES assignment as well. In the process, you will be confident that no matter what may happen, you will be called!

End of extract from an article by Ted Benson, WA6BEJ, Deputy RACES Radio Officer/Mobile Operations. published in vol. 1, issue 2, TAC ONE, THE OFFICIAL VOICE OF SAN DIEGO COUNTY RACES. Ted's article began with the perspective that "we face a new set of disasters and emergencies for which we must plan. Forest fires, civil disturbances, and downed aircraft are but a few of modern challenges RACES must face. With these new challenges come new techniques, of which the Strike Team is perhaps the newest of these techniques."

EOM

message origination stn: W6WWW@KD6XZ.#NOCAL.USA.NA

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races and can be retrieved using FTP.

Date: Thu, 11 Nov 1993 14:51:47 GMT
From: munnari.oz.au!sgiblab!spool.mu.edu!uwm.edu!linac!att!att-out!walter!dancer!
whs70@network.ucsd.edu
To: info-hams@ucsd.edu

References <btobackCG90wq.Fq0@netcom.com>, <1993Nov10.170617.17372@sequent.com>, <1993Nov10.214815.9804@anasazi.com>

Subject : Re: Antenna Restrictions -- again!

In article <1993Nov10.214815.9804@anasazi.com> john@anasazi.com (John R. Moore) writes:

>dale@sequent.com (Dale Mosby) writes:

>>This situation sort of simmered for a while, and after a few
>>months the board President and past vice president asked to
>>meet with me. I showed them the FCC rule book and pointed
>>out the section stating that only the federal government could
>>regulate radio transmissions so they had no authority over RFI.
>>I said that this was just an antenna like any of the TV antennas
>>and so no permission was required for it. I also pulled out the
>>CC&Rs and pointed out the clause that states that if no action
>>is taken within 30 days regarding construction that permission is
>>then given. I stated that no action had been taken in 30
>>days and therefore I considered permission to have been given.
>>They said OK and dropped the matter.

>

>Sounds like you did a good job of buffaloing them.

>

>In fact, however, there are two great flaws in your argument:

> (1) FCC pre-emption currently does NOT affect private contracts such
> as CC&R's!

John is correct about the scope and impact of PRB-1.

> (2) the 30 days was from when they received permission. I would bet
> that the antenna would have to be up for at least a year before
> a court would agree with you rather than them (at least, that's
> what MY lawyer said when I asked about this).

I think it is difficult to say that "the 30 days was from when they received permission" without having actually read the CC&Rs. It may very well be as the original poster states...having erected something without permission AND having no action taken against it within 30 days of construction...then the permission is, in essence, automatic. Again, without the exact wording in the CC&Rs, making such a legal determination is difficult. In fact, as I recall, the poster said that he had reviewed the situation with his attorney, so I'll presume what was posted about the automatic permission after 30 days is indeed the case.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70

201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: Sun, 14 Nov 1993 04:15:27 GMT
From: library.ucla.edu!agate!usenet.ins.cwru.edu!eff!news.kei.com!news.oc.com!
csci-wiermac.etsu.edu!user@network.ucsd.edu
To: info-hams@ucsd.edu

References <1993Nov5.231254.15145@es.dupont.com>,
<TROCH.93Nov10111625@gandalf.Rutgers.EDU>, <2brb59\$m7m@msuinfo.cl.msu.edu>
Subject : Re: RS Preferred Customer (Re: Fun with Radio Shack)

In article <2brb59\$m7m@msuinfo.cl.msu.edu>, cravitma@pacific.uucp (Matthew
B Cravit) wrote:

>
> According to the manager of my local R.S. store, Radio Shack generated
> a list of all of their customers sorted by amount spent at R.S. in the
> previous year (dollars, not hours ;-). The top 10 million? people on
> this list received preferred customer cards.
>

Having bought a Pro 2006 plus misc stuff at the local store, I'm
surprised that didn't put me in the top "10 million" but I sure
didn't see any coupon....

de WB5KXH

===== insert usual disclaimers here =====

Bob Wier, East Texas State U., Commerce, Texas
wier@merlin.etsu.edu (watch for address change)

End of Info-Hams Digest V93 #1348

